

**!MTEC 1441V**  
**!MTEC 1430V**

**COLOR MONITOR (VGA)**  
**USER'S MANUAL**

**!MTEC**

## HOW TO GET THE MOST FROM YOUR NEW VGA COLOR MONITOR


This manual has been prepared to assist you in becoming familiar with your new color monitor. To obtain optimum results, spend a few minutes reading this manual carefully before you start operating this unit.

- Features:**
- High performance CRT for sharp and crisp images
  - 14" diagonal screen
  - 256 Color display
  - R.G.B. direct drive system
  - Compatible with IBM PS/2

**Warning:**

TO PREVENT FIRE OR SHOCK HAZARD,  
DO NOT EXPOSE APPLIANCE TO RAIN  
OR MOISTURE.

## Power Source Caution:

This color monitor is designed to operate on 120 VAC / 60 Hz  Plug the AC power cord to the specified outlet.

This unit should be interconnected with data source equipment by means of appropriate shielded cable to comply with FCC requirements on RF emission limits.

## Instructions to User:

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

If necessary, consult your dealer or an experienced radio / television technician for additional suggestions. The user may find the following booklet helpful, "How to Identify and Resolve Radio - TV Interference Problems" This booklet is available from the U. S. Government Printing Office, Washington, D. C. 20402, Stock number 004 - 000 - 00345 - 4

*Department of Communications' Requirement:*

THIS APPARATUS COMPLIES WITH THE CLASS "B" LIMITS FOR RADIO INTERFERENCE AS SPECIFIED IN THE CANADIAN DEPARTMENT OF COMMUNICATIONS' RADIO INTERFERENCE REGULATIONS.

CET APPAREIL EST CONFORME AUX NORMES CLASS "B" D'INTERFERENCE RADIO TEL QUE SPECIFIER PAR LE MINISTRE CANADIEN DES COMMUNICATIONS DANS LES REGLEMENTS D'INTERFERENCE RADIO.

*Operating Guide:*

- Input Signal: R.G.B. Analog
  - Input connection
- The connection which interfaces with the IBM PS/2 is a subminiature 15 Pin D-shell connector.

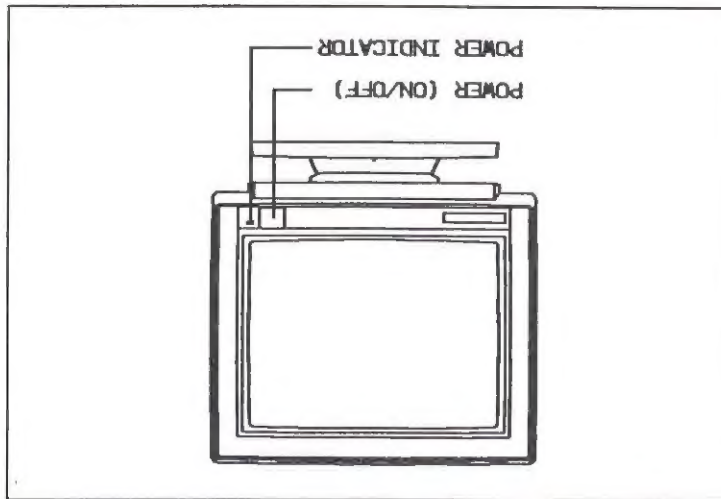
Pin	Function	Pin	Function
1	Red	11	Digital Gnd
2	Green	12	N/C
3	Blue	13	H-Sync
4	N/C	14	V-Sync
5	Self Raster	15	N/C
6	Red Return		
7	Green Return		
8	Blue Return		
9	N/C		
10	Digital Gnd		

N/C means no connection.



To turn the monitor on, push the power (on/off) switch once. The power indicator (green) light will go on and stay lit until the monitor is turned off. To turn the monitor off, push the power (on/off) switch once again.

*Front Controls:* • POWER (ON/OFF)



FRONT VIEW

*Location of  
Controls:*

### *Side Controls:*

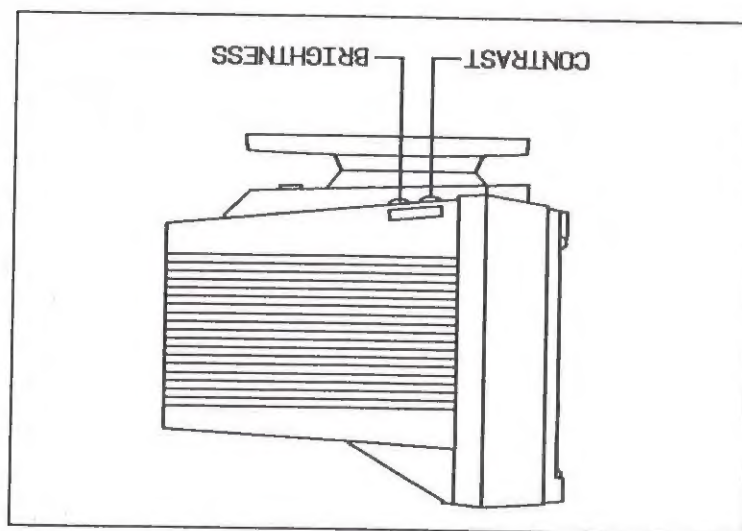
- Contrast Control

The Contrast control changes the difference in intensity between the light and dark colors. The contrast is increased when it is turned clockwise and is decreased when it is turned counterclockwise.

- Brightness Control

The Brightness control increases the intensity of the colors on the screen when it is turned clockwise and decreases the intensity when it is turned counterclockwise.

This control has a slight 'catch' at its center position.

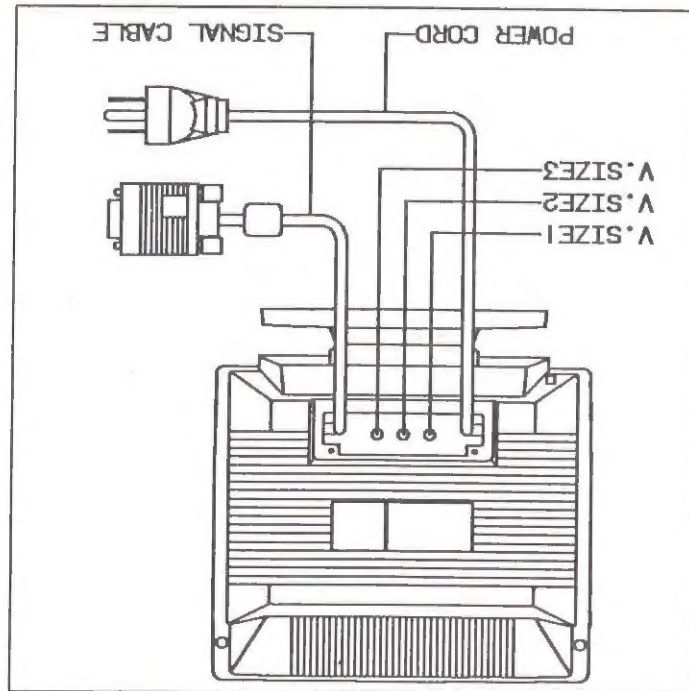


SIDE VIEW

# *Rear Controls:*

## • VERTICAL SIZE ADJUSTMENTS

- V. SIZE 1. Use this control to adjust the vertical size of the display for Mode 1.
- V. SIZE 2. Use this control to adjust the vertical size of the display for Mode 2.
- V. SIZE 3. Use this control to adjust the vertical size of the display for Mode 3.



REAR VIEW

# Specifications:

- CRT size ..... 14"(90°)
- Dot pitch ..... 0.31 mm (1430V)  
0.41 mm (1441V)
- Scanning Frequency  
Horizontal ..... 31.5 KHz  
Vertical ..... 60/70Hz
- Scanning status  
Mode 1 ..... 720 Dots x 350 Lines  
Mode 2 ..... 720 Dots x 400 Lines  
Mode 3 ..... 640 Dots x 480 Lines
- Signal input ..... RGB/Analog separate
- Power input ..... 120VAC, 60Hz
- Power consumption ..... 80Watts MAX
- Dimensions ..... 357 (W) X 386(D) X 351 (H)mm
- Weight ..... 11.5 Kg

\* Specifications are subject to change without notice.





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